BRUHAT BENGALURU MAHANAGARA PALIKE

TENDER DOCUMENT – KW3

(WORKS COSTING LESS THAN Rs. 100 LAKHS)

Name of Work: Improvements to Roads and Drains at Sai Nagara 2 and Surrounding area in Ward No 03

Estimate Cost: 65.00 Lakhs

BRUHAT BENGALURU MAHANAGARA PALIKE

No: BBMP/EE/YNK.D/E-PMT/09 / 2020-21

Office of the Executive Engineer
Yelahanka division, Bangalore – 560064.
Dated : **29-01-2021**

INVITATION FOR TENDER (IFT)
(Short term- Tender Notification)
(Two Cover System)
(Through **GOK e–Procurement Portal** only)

1. The Executive Engineer Yelahanka Division invites tenders on behalf of the commissioner, BBMP, Bengaluru from eligible Tenderers for the construction of works detailed in the table below. The tenderers may submit tenders for works given in the table through e-procurement portal of the Government of Karnataka (viz https://eproc.karnataka.gov.in).The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the contract as **per standard tender document KW-01, KW-2, KW-3 and KW-4**
2. Tenders must be accompanied by Earnest Money Deposit specified for the work in the table below. Earnest money deposit will have to be submitted EMD Declaration Copy (As per Government order No:FD/675/expe-12/2020 Bangalore Dated 22-12-2020)
3. Tenders must be submitted online through e-procurement portal on or before 16.00 hours on **12-02-2021** and the opening of tenders will be as per the e-procurement portal guidelines.
4. GST Shall be Paid to the tendered amount separately
5. Other details can be seen in the tender documents.

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka Division

Sl. No.	Name of the Work	Est. Cost	Category	Cost of Tender form in Rs. (Non-Refundable)	Period of Completion
01	Developments of roads and drains at Venkatala and Venkatala Janatha colony in ward no 01 of Yelahanka sub division	200.00	-	As per e-Procurement Portal	03 Months
02	construction of compound wall and improvements to yelahanka Govt High school premises at yelahanka old town in ward no -01	100.00	-	As per e-Procurement Portal	06 Months
03	Providing Street Name board, Fabrication of shed for boating flatform and construction of Rangamandhira at venkatala governament school in ward no - 01 of yelahanka Sub division.	100.00	-	As per e-Procurement Portal	03 Months
04	Improvements to kalyani at yelahanka lake in kempegowda ward no -01	100.00	-	As per e-Procurement Portal	06 Months
05	Improvements to Roads and Drains at Ambabhavani Layout (Part-1) in Ward No 03	65.00	-	As per e-Procurement Portal	03 Months
06	Improvements to Roads and Drains at Ambabhavani Layout (Part-2) in Ward No 03	60.00	-	As per e-Procurement Portal	03 Months
07	Improvements to Roads and Drains at Deo Marvel Layout and Surrounding Area in Ward No 03	75.00	-	As per e-Procurement Portal	03 Months
08	Improvements to Roads and Drains at Sai Nagara 2 and Surrounding area in Ward No 03	65.00	-	As per e-Procurement Portal	03 Months
09	Improvements to Roads and Drains at Akshyanagara and Surrounding area in Ward No 03	75.00	-	As per e-Procurement Portal	03 Months
10	Improvements to roads and drains at Attur Layout surrounding areas in ward no:03	65.00	-	As per e-Procurement Portal	03 Months
11	Improvements to Roads at SFS 707 and Surrounding area in Ward No 03	58.00	-	As per e-Procurement Portal	03 Months
11	Improvements to Drains at SFS 707 and Surrounding area in Ward No 03	76.00	-	As per e-Procurement Portal	03 Months
12	Improvements to Roads and Drains at Sharada Nagara in Ward No 04	98.00	-	As per e-Procurement Portal	03 Months

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

	2nd Call				
13	Providing Energy efficient and LED Street lights and Wires around Kempegowda ward no:01	25.00	Others	As per e-Procurement Portal	03 Months
14	Providing street name Boards in ward no:03 of Yelahanka Satellite Town Sub Division	50.00	ST	As per e-Procurement Portal	03 Months
15	Improvements of Anganawadi buildings and Improvements of Government school buildings in ward no:04 of Yelahanka satellite town sub division	100.00	-	As per e-Procurement Portal	06 Months
16	Providing Energy efficient LED Street lights control Switches and Wires around ward no:04	25.00	Others	As per e-Procurement Portal	03 Months

Note: Eligibility & Class of Contractors:

1) Class IV - Upto Rs 01.00 Lakh
2) Class III - Upto Rs 10.00 Lakhs
3) Class II - Upto Rs 25.00 Lakhs
4) Class I B - Upto Rs 100.00 Lakhs
5) Class I - Any amount

Calendar of events:

- Pre bid meeting will be held on **08-02-2021** at 15.00 hours in the office of the Executive Engineer (Yelahanka Division) to clarify the issue and to answer questions on any matter that may be raised at that stage as stated in "Instructions to Bidders" of the bidding document.
- Date of Opening of Technical Bids and Financial Proposals is **15-02-2021 after 16:00 hours**

ESSENTIAL CONDITIONS:

1. The Tender Notification along with Blank Tender Form will be accessible in the website of GOK e- Procurement Platform (**http://eproc.karnataka.gov.in) website**.
2. The interested contractors / suppliers may download the tender documents. The contractors may choose or otherwise attending the pre-bid meeting indicated in the Invitation for Tender.
3. Tender documents may be downloaded from Government of Karnataka e-Procurement website **http://eproc.karnataka.gov.in** under login for Contractors. Aspiring Bidders/Contractors who have not registered in e-procurement should register before participating through the website https://eproc.karnataka.gov.in or contact e-Procurement Helpdesk at 080 – 22485867 / 22485927.
4. The contractors shall submit the digitally signed tenders electronically on or before the date and time of submission published in the e-procurement portal along with stipulated EMD notified in the tender document.
5. The contractor / supplier shall attach scanned DD or Bank Guarantee (for EMD) along with the bid on e-procurement portal and submit the original Bank Guarantee on before the last date and time notified in the Tender Document to the Tender Inviting authority.

Executive Engineer
Bruhat Bengal[illegible]nagara Palike
Ye[illegible], Division

23. The Tender Accepting Authority shall have the power to accept or to reject any tender without assigning any reason thereof.
24. GST will be paid to the tendered amount separately only for 2018-19 schedule of rates and for GST/VAT is included in other than 2018-19 schedule of Rates.
25. As per Government Circular No. Cl 81 MMN 2014 Dt: 18.02.2014 & ಗಭೂಇ:ಡಿಸಿಬಿ/ ಕಗಗು/ರಾ.ಪ.ಕೋ/2013–14 ದಿನಾಂಕ: 13.03.2014 the contractors are liable to pay royalty in terms of the contract if they are not able to produce the materials purchased document / MDP's from where they purchase.
26. Black Listed Contractors / in Govt. / Quasi Govt. / Boards / BBMP etc., are not eligible to quote, if found such Tenders will be rejected.
27. All the participants should produce all the original documents for verification whenever necessary.
28. The work shall be carried out as per the directions of the BBMP and if necessary in coordination with BESCOM, BWSSB, Other Utility Agencies and Engineer in charge of Work.
29. No Joint Venture / Consortium is permissible.
30. The Work shall be commenced with all Men and Machinery within 7 days from the Date of Work Order, failing which it would be presumed that the Successful Tenderer is not interested in the Work and Action will be taken to get the Work executed through Alternate Agency at the risk and cost of the Former Tenderers.
31. Conditional Tenders will not be entertained and they are summarily rejected.
32. Further particulars can be had from the office of the Executive Engineer, Yelahanka Division, and BBMP during the working days between 10.00 A.M. to 5.30 P.M.
33. The Construction Debris Generated from Work Shall be dumped in Designated Dumping Yards Only.
34. If the Contractor has any liability whatsoever to the BBMP / Govt the same will be deducted from the Contractors bills.
35. Bidder shall submit the bids electronically before the stipulated date and time for the submission published in e-procurement portal. No tenders can be submitted after the due date and time as the portal will not accept late tenders.
36. The contractor / supplier can modify and correct or upload any other relevant document in the portal before last date and time of submission on e-portal. No modifications or withdrawal of tender is possible the closing time of the submission of the tender.
37. In the event of the specified date of tender opening being declared a holiday for the tender inviting authority, the tenders will be opened the next immediate working day.
38. As per Commissioner inter Office Note No:D/ಜಆರ್/1629/18-19 Dated:18-08-2018. The Contractors to Implement/Entrusted the works in 3 shifts round the clock.
39. Bidders Should Submit the **one set of Hard Copy with spiral Binding of all documents which are uploaded in the e-portal to this office before opening the technical bid.** Otherwise their bid will be rejected.
40. The Bidder /Contractors should shall not Quote below the minimum labour rates prevailing @ the time of Tender Notification. If so they shall be provide the Rate Analyses for the same. (To be uploaded in e-procurement plat form).
41. The Works reserved for SC/ST category relaxation of Tender clauses will be applicable as per Government order No: FD 876 Exp-12/2017, Dated: 10-10-2017.

Sd/-
Executive Engineer
Yelahanka Division

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

Table of Clauses

A. General

1. Scope of Tender
2. Eligible Tenderers
3. Qualification of the Tenderer

B. Tender Documents

4. Content of Tender documents
5. Amendment of Tender documents

C. Preparation of Tenders

6. Documents comprising the Tender
7. Tender prices
8. Tender validity
9. Earnest money deposit
10. Format and signing of Tender

D. Submission of Tenders

11. Sealing and marking of Tenders
12. Deadline for submission of Tenders
13. Late Tenders
14. Modification and Withdrawal of Tenders

E. Tender opening and evaluation

15. Opening of First Cover of all Tenders and evaluation to determine qualified Tenderers
16. Opening of Second Cover Tenders of qualified Tenders and evaluation
17. Process to be confidential
18. Clarification of Tenders
19. Examination of Tenders and determination of responsiveness
20. Correction of errors
21. Evaluation and comparison of Tenders

F. Award of contract

22. Award criteria
23. Employer's right to accept any Tender and to reject any or all Tenders
24. Notification of award and signing of Agreement
25. Security deposit
26. Corrupt or Fraudulent Practices

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka, Division

3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above.

3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*2.5 - B)

Where ;

A = Maximum value of works executed in any one year during the last five years taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which tenders are invited.

B = Value, at 2019-20 price level, of existing commitments and on-going works to be completed during the next 6 Months.

Note: The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.

3.2 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

B. Tender documents

4. Content of Tender documents

The Contractor should go through the Tender Document and submit the response Technical/commercial through e-procurement portal online after downloading the tender.

5. Amendment of Tender documents

5.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.

5.2 Any addendum thus issued shall be part of the tender documents and shall be posted online in the e-procurement portal which Contractors should download.

5.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders on line through e-procurement portal, in accordance with Sub-Clause 12.2 below.

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

19.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender; (a) has digitally signed; and; (b) is substantially responsive to the requirements of the Tender documents.

19.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

19.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

20 **Correction of errors**

The Tenderer can do Modifications before submitting their bids online only.

21. Evaluation and comparison of Tenders

21.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 19.

21.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

21.4 **If the tender of the successful tenderer is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analysis for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 25 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful under the contract.**

F. Award of Contract

22. Award criteria

22.1 Subject to Clause 24, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

23. Employer's right to accept any Tender and to reject any or all Tenders

23.1 Notwithstanding Clause 22, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

24. Notification of award and signing of Agreement

24.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by, e-mail or facsimile or e-procurement portal or through letter . This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

24.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 25.

24.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

1.11 Proposals for subcontracting components of works amounting to more than 20% of the contract price. (Attach Certificate from the respective employers.)

Item of Work	Value of Sub-Contract	Identified Sub-Contractor (Name and address)	Experience of similar work
DELETED			

1.12 Information on litigations in which the Tenderer is involved:

Other Party (ies)	Employer	Details of dispute	Amount involved	Remarks showing present status

1.13 The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

SECTION 4: FORMS OF TENDER, LETTER OF ACCEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

Form of Tender

Improvements to Roads and Drains at Sai Nagara 2 and Surrounding area in Ward No 03

Description of the Works :

To:
The Executive Engineer
Yelahanka Division
B.B.M.P. Bangalore-64

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of ..... (in fig)
.....(in letters)
.....

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.
We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,
Authorized Signature:
Name & Title of Signatory: _____

Name of Tenderer _____
Address: .....
.....

Letter of Acceptance

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) Any other document listed in the Contract Data as forming part of the Contract.

3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

5. Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Subcontracting

7.1 Deleted

8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are:
(a) In so for as rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-Contractors arising from the conduct of the Works; or
(b) a cause due solely to the design of the Works, other than the Contractor's design; or
(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:
(i) could not have reasonably foreseen; or

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka, Division

32. Submission of bills for payment

32.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.

32.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.

32.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

33. Payments

33.1 Payments shall be adjusted for deductions for advance payments, other recoveries in terms of the contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor within 60 days of submission of bill. The contractor shall be liable to pay the liquidated damages for short fall in progress. For progress beyond the approved program, payment is subject to availability of grants.

33.2 Items of works for which no rates or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the contract.

34. Compensation events

34.1 The following are Compensation events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.

(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.

(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.

(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.

(e) The effect on the Contractor of any of the Employer's Risks.

(f) The Employer unreasonably delays issuing a Certificate of Completion.

(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

34.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

34.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

34.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

35. Tax

35.1 The rates quoted by the Contractor shall be deemed to be inclusive of the sales and other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

36. Liquidated damages

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

SECTION-9 BILL OF QUANTITIES

BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Division,Yelahanka Zone

SCHEDULE-B

Name of work:Improvements to roads and drains at Sai Nagara 2 and Surrounding Area In Ward No.03

Description of Items	Unit	Qty	Rate in Rs		
Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. As Per the Direction of Engineer In charge of the work.	Cum	860.10			
Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. As Per the Direction of Engineer In charge of the work.	Cum	129.02			

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm.As Per the Direction of Engineer In charge of the work.	Cum	281.67			
4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3.As Per the Direction of Engineer In charge of the work.	Tonne	18.46			
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate).As Per the Direction of Engineer In charge of the work.	Sqm	692.10			

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

6	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc, (Data Rate). complete and as per the directions of Engineer in-Charge.	Sqm	10.65			

SECTION-9 BILL OF QUANTITIES

SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: Executive Engineer,
Yelahanka Division Bangalore-64

WHEREAS _____ (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute Improvements to Roads and Drains at Sai Nagara 2 and Surrounding area in Ward No 03AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs._____Rupees_____ _____, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka, Division